

Law of Conservation of Mass

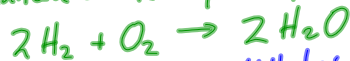
word equation

hydrogen + oxygen  $\rightarrow$  water

skeleton equation (unbalanced)



balanced chemical equation



4 H atoms	2 O atoms	4 H atoms	2 O atoms
-----------	-----------	-----------	-----------

## Law of Conservation of Mass:

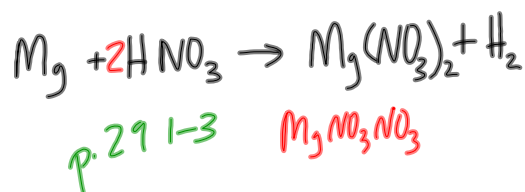
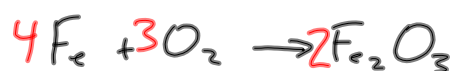
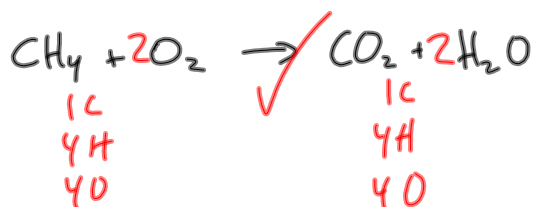
mass of reactants = mass of products

or

total atoms of each element must be equal on each side of a chemical equation.

Feb 23-2:18 PM

Feb 23-2:29 PM



Feb 23-2:32 PM

Feb 23-2:35 PM